South Carolina Department of Agriculture

MARKET BULLETIN

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GREENGASUSA, MERCEDES-BENZ, MCCALL FARMS EXPAND CARBON-FRIENDLY COMMITMENT IN SC

RENEWABLE NATURAL GAS PROJECT IS FIRST IN THE STATE

BY SCDA

Local and international companies in South Carolina are working together to directly reduce greenhouse gas emissions – a model for industry-led climate solutions.

The Mercedes-Benz Vans plant in Ladson, South Carolina, is now using renewable natural gas (RNG) converted by Charleston-based GreenGasUSA from methane captured at the McCall Farms

commercial vegetable cannery in Effingham, South Carolina.

GreenGasUSA installed equipment last year at McCall Farms to capture the methane from its Wastewater Treatment Facility and convert it to RNG.

Through GreenGasUSA's partnership with Carolina Gas Transmission (CGT), a BHE GT&S subsidiary, the renewable natural gas is then transported from Florence County to a GreenGasUSA RNG hub in Georgetown County, where it is injected into existing pipelines and made available to GreenGasUSA's clients in and outside the state.

GreenGasUSA is a leading provider of renewable energy solutions by helping farmers, food processors and industrial manufacturers capture greenhouse gas emissions from their operations. Through wastewater optimization and anaerobic digestion, GreenGasUSA converts waste streams into Renewable Natural Gas (RNG). GreenGasUSA's RNG is used by its customers as a zero and negative

carbon fuel source to offset and reduce fossil fuel consumption.

"Connecting local agriculture with global industries on the basis of shared values around sustainable business practices is at the heart of our values and mission," said GreenGasUSA owner Marc Fetten. "We appreciate Mercedes' support of South Carolina agriculture through its commitment to carbon neutral energy solutions from McCall Farms."



"Mercedes-Benz Vans is committed to continuously improving our environmental footprint," said Axel Bense, President and CEO of Mercedes-Benz Vans, LLC. "The use of this renewable natural gas is one more element that will help us to further reduce carbon emissions from our plant. Sustainability is a key pillar for the future of our production operations in Charleston as we strive to create positive contributions for our local community."

McCall Farms, a family-owned business established in the 1950s, produces Southern-style canned vegetables. McCall Farms sources nearly 700 million pounds of produce annually from farmers in the region, supporting local agriculture and helping make agribusiness the state's No. I industry. Through its work with GreenGasUSA, the storied food business has entered a new era of climate-responsible operations.

"We are very proud to be a part of such an environmentally friendly project that helps like-minded entities achieve their reduced emissions expectations," said McCall Swink, co-president of McCall Farms. "McCall Farms strives to promote sustainable industry practices that benefit our local communities, our state and our planet."

South Carolina Commissioner of Agriculture Hugh Weathers, a champion of GreenGasUSA's work to capture emissions from agribusiness, applauded the project.

"These companies are leading the way in reducing environmental impacts and achieving carbon emission reductions – and they're strengthening South Carolina's food and agriculture industry while doing so," said Commissioner Weathers. "This innovative project shows us the path to a more sustainable future."



SPRING IS IN THE AIR

ith the recent extended stretch of warm weather, it now truly feels like spring in South Carolina. Harvest is year-round in the Palmetto State, to be sure. But there's just something about this time of year, when the weather is extra nice, the days are getting longer, and the tractors are out in the fields. It's a beautiful state we get to live in.

Planting of row crops for the fall harvest is well underway. South Carolina farmers have almost finished planting the year's corn crop, and a lot of corn has emerged. Cotton and peanut planting have begun. Those high fuel, fertilizer and other input costs have dampened enthusiasm slightly, but we're pushing forward nonetheless.

As for fruits and vegetables, it looks like we're in good shape on that front despite that March freeze that had everyone rattled. The strawberries coming to market now are of good quality; yields are slightly lower but we're going strong. Blueberries are going to be very light at the beginning of the harvest season - until the middle of May. Blueberry harvest should improve by the time late May and June get here. Blackberries and muscadines are looking good.

Summer crops, such as tomatoes and peppers are in the ground. There have been some cold temperatures since planting, slowing growth, but everything is expected to catch up nicely. All our watermelon farmers have finished planting. We're looking to have a normal crop this year with the season really ramping up after Memorial Day. Nothing says summer like South Carolina watermelon.

As for our famous peaches, we are also anticipating a good year. With the freeze in March, prayers were answered and we will still have those sweeter South Carolina peaches this summer. Volume may be lighter in May due to damage to earlier varieties but the rest of the summer should be back to normal and you can expect to find our tasty South Carolina peaches in good supply.

We work hard to promote buying local through our **Certified South Carolina** program - but interest in **Certified South Carolina** goes far beyond the state's borders. Our department works with produce groups and retailers throughout the region and across the country. They know our farmers grow great produce and they want fresh South Carolina products in stores in their home states. It's just one more way we're helping farmers in South Carolina.

Hugheleathers_

UPCOMING EVENTS

North Chester Amateur Rodeo

May 7 • 6 – 11 pm

Pee Wee (12 yrs and younger), youth (13–17 yrs) and adults barrel racing and pole bending. Ladies goat tying, mutton busting (ages 6 yrs and younger), break-away roping, cow dressing \$10. Bull riding \$30. Calf herding for kids free. Jackpot 2/3 entry fee for 3 places-50%,30%,20%. Mutton busting is a trophy class. Admission adults \$10, ages 6–12,\$5, free preschool age and younger.

North Chester Saddle Club Arena 1037 Tickle Hill Road, Chester

Contact: Nancy Stewart

803-374-4451

facebook.com/NorthChesterRodeo

Agritourism Trends In South Carolina & Beyond

May 12 • 11:30 am – 1 pm

Join the SC Agricultural Council for our spring quarterly meeting. We will be exploring the growing impact of Agritourism in SC and around the world. The agritourism industry not only benefits our farmers with the extra income stream, but also the visiting public who experience 'farm life' as the enjoy being in the great outdoors.

Farm Bureau Federation

724 Knox Abbott Drive, Cayce

Contact: Steve Slice

803-360-2845 • scagriculturalcouncil@gmail.com

Advanced Bee School

May 14 • 2 - 6 pm

This school is meant for beekeepers who would like to learn advanced beekeeping skills. The entire class time will be spent in the hives. Must bring your suits, preferably full suits. Classes are taught by certified, experienced, and commercial beekeepers. \$150.

HoneyStrong

1753 Ebenezer Road, Smyrna

704-993-6833

<u>honeystrong.com/beeschool</u> facebook.com/ HoneyStrongHomestead



SC Ag Council Spring Agricultural Tour

May 20 • 6:45 am - 6:30 pm

Whispering Pines Sheep Dairy Farm, LaMaster Dairy Farm at Clemson University, Happy Cow Creamery. PRE-REGISTRATION IS REQUIRED. The deadline to register is Tuesday, May 17, 2022. \$70. Contact us for more information about the Ag Council tour.

Contact: Steve Slice

803-360-2845 • scagriculturalcouncil@gmail.com

Tips to Get You Started with Small Ruminants

May 21 • 10 am - 3 pm

Perfect for new owners and experienced owners! Agenda: 9:30–10 am: Check In. 10–11 am: Notes from the Farm, Speaker: Debbie Webster, Whispering Pine Farm. 11 am–12 pm: Forage Information that you need to know 101, Speaker: Dr Liliane Silva, Clemson Forages Specialist Lunch and Networking. 1–2 pm: mall Ruminant Basics from a Veterinary Perspective, Speaker: Dr. Patty Scharko/ 2–3 pm: Soil Sampling demonstration in pasture and any last minute questions.

Clemson University Edisto Research 64 Research Street, Blackville

Contact: Clemson University

808-397-9026 • ncorrea@clemson.edu eventbrite.com/e/basics-before-buying-tips-to-get-youstarted-with-small-ruminants-tickets-289833187867

Twin Creeks Lavender 3nd Annual U-pick

May 27 • 9 am – 2 pm

Pick fresh lavender bouquets, browse our line of handmade products, snap photos in our fields, or enjoy a picnic. Advanced tickets via Eventbrite are \$5; admission at the gate is \$6. Children under six and adults over 65 may enter for free.

Twin Creeks Lavender 4638 Midway Road, Williamston

864-940-1684

<u>twincreekslavender.com</u> facebook.com/twincreekslavender



SALES & AUCTIONS

Claxton's Auction

May 7 & 14 • 11 am - 5 pm

Special Sale May 15 • 1 pm

Every Saturday. Equine, cows, sheep, goats, pigs, camelots, ratites, poultry, and small animals.

18627 Lowcountry Hwy, Ruffin

Contact: William Claxton

843-909-4285 • wlcjr@yahoo.com

Tindal Farms Auction

May 14 • 2 pm

Bring poultry & small animals, farm equipment or related items, seller consignments accepted on day of sale.

1407 Fox Tindal Road, Pinewood

Contact: Hal Tindal 803-473-0171

Farm Equipment and Cattle Absolute Auction

May 13 – 14 • 9 am

Day 1: Farm machinery, tractors, trucks, trailers, etc. Day 2: The largest one-owner cattle auction ever offered in SC. Over 500+ head of cattle, cow calf pairs, steer and heifer yearlings, bulls, steel panels, troughs, etc. Mostly Angus with Simmental and Charolais influence. See website for details. SCAL #3965F

Carsten Farms

2511 N. Williamsburg County Hwy, Cades

Contact: Chuck Easler

 $843\text{-}426\text{-}4255} \bullet \underline{\text{blackriverequip@aol.com}} \\ worldnet auctions live.com}$

SCDA State Farmers Markets

SOUTH CAROLINA STATE FARMERS MARKET

3483 Charleston Highway West Columbia, SC 29172 803-737-4664 GREENVILLE

STATE FARMERS MARKET

1354 Rutherford Road Greenville, SC 29609 864-244-4023 PEE DEE STATE FARMERS MARKET

> 2513 W. Lucas Street Florence, SC 29501 843-665-5154

VISIT AGRICULTURE.SC.GOV

Click on the State Farmers Markets button for more information about each location

5/5/22

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To subscribe with a credit card online, visit agriculture.sc.gov, click on Market Bulletin, select Subscribe to the Market Bulletin, then follow the prompts.

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Market Bulletin Office

Monday - Friday • 8 AM - 4:30 PM
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agriculture.sc.gov/market-bulletin

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803-737-4588

Fruit & Vegetable

Market News

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803-737-5900

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POLICIES FOR ADVERTISING

For our full policies, please visit: agriculture.sc.gov/market-bulletin-policies

Only ads pertaining to the production of agricultural products and related items are published. Ads are accepted for South Carolina items, even if the seller lives out of state, provided the item is in state at the time the ad is published and at the time of sale.

Ads are published free of charge and in good faith. The *Market Bulletin* reserves the right to edit and verify ads but assumes no responsibility for their content.

Ads cannot be accepted from agents, dealers, or commercial businesses, including real estate. Sealed bids, legal notices, or consignment sales are not accepted.

SUBMITTING ADS

No matter the submission method, submissions must include the advertiser's name, complete address with zip code and county, and phone number with area code. While we don't publish the address, we need this information for our records. Do not use all capital letters.

- Online: Go to agriculture.sc.gov/market-bulletin. Select "Submit Market Bulletin Ad" and complete the form. If you include your email address, you will receive an automated reminder for a renewal.
- Mail: SC Market Bulletin, PO Box 11280, Columbia, SC 29211. You must use 8.5 × 11 inch paper.
- Email: Send ads to marketbulletin@scda.sc.gov. Put the words "Market Bulletin ad" in the subject line.
- **Fax:** 803-734-0659

The deadline for submitting ads and notices is noon on Tuesday of the week **before** the publication date.

NEXT AD DEADLINE

MAY 10 • 12:00 PM

REMINDER TO ADVERTISERS

Ads are due by noon (12 pm) on the Tuesday after the latest published issue.

Any ads received after the deadline will be considered for a subsequent issue.

AQUACULTURE

BLUEGILL

50¢; Catfish, 75¢; Carp, \$12; Fi Tiger Bass, \$4; Lrgmth Bass, \$2; Minnows, \$20/lb; p-up/del Derek Long Newberry 803-944-3058

8-11" CARP

\$12; 1-3" LM Bass, \$75/50; 1-3" BG, \$55/100; 1-3" SC & RB, \$65/100; 3-5" Ch Cat, \$60/100; Mosq, \$40/100 Clay Chappell Richland 803-776-4923

BLUEGILL/REDEAR BREAM 50¢-\$3; Shad, \$1-\$5; Crappie, \$1-\$3; Catfish, \$1-\$3 Cannon Taylor Newberry 803-276-0853

CATTLE

REG BRANGUS BULL

7 y/o, friendly, avoiding inbreeding, low BW, \$2500 Toney Farr Union

864-251-4046

REG BFMSTR BULLS

\$2000+; reg hefrs & prs, \$1800+ James Dyches 803-230-4952

ANG/BFMSTR CROSS HEFRS

12–16 m/o, calf hood, all shots, \$1200 Gene Crim Calhoun 803-609-4571

BROWN SWISS MILK COW

currently in milk, 11 y/o, gentle, \$1000 Rebecca Baker Berkeley 803-456-0091

BLK ANG BULLS & HEFRS

y/o, reg, docile, nice looking, 1000 lbs, \$2500 each David Moberg Abbeville 864-378-3307

REG ANG BULLS

10−18 m/o, current vac & worming, \$1500+ Kenneth Currie 803-484-6994

6 ANG REG & COMM **COW-CALF PRS**

& bred cows, most from Yon b'lines, free del from Winnsboro farm, \$1800+ Bill Harris Chester

865-567-1252

BULLS

Holstein, Jersey & Blk Ang, \$550 each; Jersey/Holstein hefr, poss bred, \$1500 RC Turner Orangeburg 803-596-6463

REG BLK ANG BULL

B-10/14/18, calving ease & low BW, \$2500 Johnny Bell Colleton 843-909-8031

QUAL COMM ANG HEFR

Al sired Uproar Bruin or Hickok, April born calves, \$2500/pr Justin Howe Newberry 803-944-1065

REG ANG HERD

8 cows & 8 calves, qual genetics, Witch & Polly families, \$20,000 Bruce Stuart Aiken 803-645-0378

BLK ANG CALF

8 m/o, FB, low BW, \$850; Blk Ang bull, corn fed, no chemicals, for beef, \$1.50/lb L Gunter Lexington 803-532-7394

REG ANG

SimAng, & Ultrablk bulls, all EPDs avail & fertility tested, \$3500+ Kevin Yon Saluda 803-622-8597

FB RED POLL YRLG BULLS

open & bred hefrs, cow/calf prs, \$1800-2500 J Wyatt Marlboro 803-651-3086

BLK ANG BULLS

yrlgs & 2 y/o, exc b'lines, good calving ease, \$1500+ Wesley Miller Lexington 803-917-1793

REG BLK HRFRD BULLS

20 m/o, BSE tested, \$2400 ea Tommy Wilks Chesterfield 843-307-0323

REG BRAUNVIEH BULL B-11/17/20, gentle dispo, \$1650 J E Hughes Cherokee

864-490-6165

7 M/O HRFRD BULLS

polled, wormed, \$700 Billy Gallman Newberry 803-276-7171

BLK ANG BULLS

PB, 2+ y/o, fat & ready for serv, \$2300+ Mike Johnson Newberry 864-923-0750

FB BLK ANG BULL

4 v/o, exc b'line, calving ease, \$2000 Robert Blair 803-230-3794

5 Y/O SIM ANG BULL

sired by 7AN368, Dam sired by 7SMG9, exc calving ease, \$2800 Gene Hopper Newberry

15 M/O PB BULLS

803-924-1314

Blk Brangus & Ultra Blk, calving ease, \$1850+ Daniel Chassereau Bamberg 803-267-4880

9-10 M/O STEER & HEFRS weaned, Blk Ang & Blk Baldy,

\$850 each, disc on qty Gene McCarthy Edgefield 803-278-2274

REG BLK ANG BULLS

proven low input genetics, 15-19 m/o, low BW, exc ft & muscle, BSE, comp EPDs, perf info, \$3500+ Dixon Shealy Newberry 803-629-1174

REG BLK ANG BULLS

16-27 m/o, \$1500-3000; hefrs, \$1500; cow calf prs, \$2500, gentle, exc EPDs **Bobby Baker** Lancaster 803-804-2230

REG SIMANG & HRFRD BULLS

16+ m/o, Al sired, calving ease, high growth, \$2500+ Wayne Garber Laurens 864-923-0581

REG BLK ANG

weaned & bred hefrs, cows. proven foundation genetics, \$2000+ Walter Shealy Newberry 803-924-1000

REG BLK ANG BULLS

14-18 m/o, \$2250+; feeder steers, \$1.85/lb+; open hefrs, \$900+ Marc Renwick Newberry 803-271-8691

LNGHNS

2000 lb bull & 1200 lb hefr, 2½-3 y/o, \$3500 obo, call or text Quentin Gray Newberry

803-924-6764 **ANG HEFRS**

3-5 m/o, wormed, vac, on feed, \$375 each Casey McCarty Newberry 803-924-5239

ANG X HEFRS

9-12 m/o, \$850; prs, \$1250+; un-weaned hefrs, \$700 David Wilkerson York 803-925-2633

SIM & SIMANG

846-637-8131

yrlgs & older bulls, Al bred, \$2500+ Jim Rathwell Pickens

REG BLK ANG BULLS

8-24 m/o, exc b'lines, docile, \$1500-\$2000 Kinard Holliday Anderson 864-261-6369

FARM LABOR

NOTICES ARE ACCEPTED FOR AGRICULTURAL WORK ONLY AND NOT FOR HOUSEWORK, NURSING, OR COMPANIONSHIP NEEDS.

LIME SPREADING

specialize in bulk TN lime, call for est Drake Kinley Anderson 864-353-9628

FENCES INSTALLED

statewide, free est **Bruce Thomas** Dorchester 843-636-1699

TRACTOR REPAIR

all types, 50 yr exp George Bush Lexington 803-640-1949

RECLAIM PASTURES pond builds, demo & removal of old bldgs, land clearing, insured, free quotes, veteran owned Paul Irby Chester 803-374-3142

CUSTOM SPRIGGING

of CB & Tifton 85, statewide, call for pricing & scheduling Timmy Benton Colleton 843-908-3222

PASTURE MGMT SERV

spray weeds, treat fire ants, fert & lime; plant pastures, Fescue, Ryegrass, Bermuda, Bahia Kenny Mullis Richland 803-331-6612

LEXCO TACK CLEANING

leather bridles, saddles, harnesses & accessories, your place or mine Laurie Knapp Lexington 803-317-7613

TRACTOR WORK

frt end ldr, dirt blade, bush hog, chain saw trees, back hoe work w/in 20 mi; also stick welding D Wannamaker Calhoun 803-682-2117

DOZER/TRACKHOE WORK

build & repair ponds, demo, tree removal, land clearing, roads, free est James Hughes Greenwood 864-227-8257

WANT SOMEONE

to work on '60 Ford 601 tractors w/hyd & eng issues David Macijewski Oconee 864-309-9472

MOBILE SAWMILL SERV

statewide, can saw any type of trees, no creosote posts Lowell Fralix Barnwell 803-707-5625

LIGHT BUSH HOGGING

tractor work, lawn maint Glenn Goins Lexington 803-381-8287

ONSITE MOBILE WELDING

& fabrication, farm & hvy equip, fences, gates, etc **Garrett Stephens** Greenville 828-405-2176

FARM LAND

FARM LAND MUST BE OFFERED FOR SALE BY THE OWNER, NOT AN AGENT. TRACTS STATE OWNERS-NOT REAL ESTATE AGENTS-MAY NOW SUBMIT ADS FOR LAND IN SC.

WANT 20+A TO FARM

in Hartsville/McBee area, prefer pasture but will consider all Todd Thompson Darlington 478-278-7310

WANT HUNTING LEASE

in/near Saluda, any acreage Robert Shealy Saluda 843-637-6375

WANT LAND TO LEASE

for '22 hunting season, Upstate Sid Lewis Pickens 864-483-5058

55A OFF AIRPORT RD

heavily wooded w/food plots/shooting lanes, deer/ turkey/hog, buildable, \$193k Carl Gulledge Fairfield 803-530-8885

515½A DILLON CO

for long term lease, 2½ mi on Little Pee Dee River-Lester Rd, 30A duck pond, all wooded, \$15/A obo Mike Padgett Colleton 803-603-4651

WANT HUNTING LEASE 90 min of Columbia, QDMA members, can help maintain land, invest in gates, etc Lucas Brown Lexington

803-929-1162 WANT LAND TO LEASE

for hunting, have equipment to help repair & manage, Darlington or surrounding Counties Ray Sealey Darlington 843-409-1717

FRESH PRODUCE

PRODUCE MUST BE RAW AND NON-PROCESSED. RAW MILK, BUTTER, AND AND ENVIRONMENTAL CONTROL. AN EGG LICENSE IS NOT REQUIRED FOR ON-FARM POINTS OF SALE.

FREE RANGE EGGS

brown, green, blue, del to Marion, Dillon, Horry, Florence, & Darlington Co's, \$4/dz Nick Mosher Marion 912-289-5575

FREE RANGE DUCK EGGS

Heather Ford York 803-627-0352 **EGGS** pasture raised, \$3/dz Thomas Painter

Spartanburg

864-706-8592

DRY VA PNUTS

CHICKEN EGGS

Rose Roof

803-315-7307

for roasting, air dried, hand graded, in bu bags, \$40/bag Richard Rentz Bamberg 803-793-7642

Lexington

farm fresh, \$3/dz, \$4/18 eggs

BROWN & GREEN EGGS from grain fed & cage free chickens, \$3.50/dz or \$5.25/18 Billy Gallman Newberry 803-276-7171

GARDEN

ADS ARE NOT ACCEPTED FROM HAVE ANNUAL SALES OF \$5,000.

STRAWBERRY PLANTS

bare root, 20/\$15, call for appt Robert Turner Orangeburg 803-596-6463

BETTERBOY

beefsteak & pink Belgium tomatoes, 48/flat, \$24/flat Larry Johnson Orangeburg 803-664-4213

FOX GRAPES

\$20 Francis Shiver Kershaw 803-669-1979

HOGS

(4) 300-400 LB SOWS

preg w/2nd litter, \$500 each; 1 y/o Yorkshire breeding boar, 300 lb, \$400 Paul Phillips Williamsburg 843-382-7246

FB BERKSHIRE & CROSS PIGS

cut males & females, \$150 ea Jason Painter Spartanburg 864-641-9855

> Review our advertising policies at

AGRICULTURE.SC.GOV/ MARKET-BULLETIN-**POLICIES**

3

FARM EQUIPMENT

ADS MAY NOT BE SUBMITTED BY COMMERCIAL DEALERS. A CURRENT FARM TAG ISSUED BY THE SCDMV IS REQUIRED ON ALL FARM VEHICLES.

HAY RAKE

Vermeer WR 20, \$3000 Joyce Clack Chester 803-385-6134

14' BUSH HOG

plus extra middle & outside gear box & blades, \$3500 Union 864-429-6112

IH 1501 LDR

w/bucket, \$300 R Turner Newberry 803-940-0498

JD 9750 STS COMBINE

4wd, 4000 eng hrs, 3000 sep hrs, \$46,500 Glenn Risher Dorchester 843-462-7381

DEARBORN HARROW

18 disc, 3ph, EC, \$350; 5' Pulverizer, \$150 Billy Carlton Greenville 864-877-7293

FICKLIN GRAVITY WAGON

mod 231, GC, \$2500 Otto Williamson Williamsburg 843-372-2692

'04 DOOSAN EXCAVATOR

mod DX225LC, hyd thumb, 6500 hrs, full serv by local dealer 50 hrs ago, \$70,000 Kelvin Meetze Lexington 803-636-4862

'50 AC B

GRC, hyd & PTO work, setup to garden, new magneto, \$4200 **Bruce Chewning** Chesterfield 843-623-5059

NH BR7060 SILAGE SPECIAL

\$16,500; JD 702 rake, \$2500; NH 273 Hayliner sq baler, \$3600 Jackie Horton Kershaw 803-606-1512

JD 328 SQ BALER

GWC, \$4200 **Eddie Phillips** Sumter 803-486-0081 JD DISC PLOW

w/12' working width, GWC, FR, has whls, \$8000 Nicholas Darragh Greenwood 864-321-1879

JD 5510 W/541 LDR

4wd, \$27,000; JD 4000 tractor, w/KD ldr, \$20,000; both w/canopy, bucket, spear & dual remotes Barry Addison Lee

803-453-5846

AC GRAIN DRILL hyd p-up, G-FWC, \$600 Ricky Taylor Oconee 864-784-4647

466 JD HAY BALER

twine & net wrap, GC, \$8000 Christopher Derrick Edgefield 803-480-0465

JD 4430

\$12,500 Robert Turner Orangeburg 803-596-6463

'15 JD 5075 TRACTOR

2 wd, 4500 hrs tractor only, Jimmy Forrest Saluda 803-685-7735

HAY TEDDER/RAKE

3ph, PZ 360 Haymaker, GC, FR, \$1550 Sterling Wilson Abbeville 864-378-8327

5' GILL PULVERIZER

\$475; 8 disc bush bog harrows, \$325; 1r Gill cult & Cole plntr, \$225 Ansel Burgess Sr Greenville 864-569-7359

'18 MF 4708 TRACTOR

4×4, 715 hrs, 85 hp, GRC, clean, LN, \$49,500 Josh Hudson Horry 843-458-3206

JD 7700 COMBINE

\$4000; 918 Flex Hdr finger p-up, \$3500 Glenn Fulmer Aiken 803-645-2831

AC WD45 TRACTOR

w/frt manure bucket, \$5000 Thomas Waters Colleton 843-696-6627

NH 644 RND BALER

FR, \$8000; Krone 323 10'6" disc mwr, LN, \$8000; 5 whl V rake, \$1500 **Bruce Stuart** Aiken 803-645-0378

20' FLAT DECK TRL

all metal. Tandem axles. loading ramps, tool box w/ chains, \$3850 Jerry Comeaux Spartanburg 864-992-3869

NEWTON GROUCH SPRYR

pull type w/hyd booms & pump, foam marker, ball valves, \$10,000 Jeffrey Gilmore Chesterfield 843-517-0315

JD 328 SQ BALER

GWC, hyd hitch, \$14,000 Andrew Rice Allendale 803-686-1208

MF 4707

\$35,000; Cat D7 17a, \$25,000; Mahindra 8560 4wd ldr, \$35,000; JD 2840, \$10,000; JD MX 8 BH, \$5500 Ronald McGraw Lancaster 704-547-1832

JD 2010 TRACTOR

w/canopy, new rear tires, w/2r cult/plntrs, GC, \$7500; 8'×16' steel trl w/2 ldr pads, more, \$4000 Jimmy Wilson Anderson 864-923-2348

'53 FORD TRACTOR

Golden Jubilee, VGC, \$4000 Gordon Bowers Beaufort 843-521-7064 **2 GANG DISC PLOW**

Massey, 3ph, GC, HD, \$575; trl, made from 50's truck, needs tires & work, \$225 Jim Atkinson Pickens

16' HAY FEEDING TRL

hold 3 or 4 rnd bales, LN, made w/21/2" metal sq tubing, HD, \$2000 obo Britton McCarter York

704-913-6083

2R BURCH PLNTRS George Charpia

Dorchester 843-873-0784

2 MM AVERY TRACTORS

shed kept, need tire repair & cranked, \$2200 Vance Clinkscales Anderson 864-225-6084

COMP SET 2R CULT for D14, D15, D17 AC, \$300

James Pruitt Spartanburg 864-316-0004

1R FERT DISTRIB

on cult frame, \$550; 20'L dual axle trl, w/4 tires, \$2000; 7' boom pole, \$175 Franklin Brown Charleston 843-224-4711

50 GAL FUEL TANK

w/hand pump on trl, \$700; Gill 5' box blade, 3ph, \$500 Rickie Evans Chester 803-209-2714

2R CULT W/FERT DISTRIB

\$500 obo; Gill 6' box/scrape, HD, \$750 obo Otis Hembree Spartanburg 864-316-1222

ZTR-185 DRUM MWR

GRC, \$4000 Mary Hartsell Anderson 864-287-2938

HARDEE BOOM MWR

LR40142, 38 hrs, LN, \$8500 Danny Hooker Colleton 843-908-0313

MF 240S

45hp w/frt ldr & forklift attach, 1100 hrs, VGC, \$9500 Vance Clinkscales Anderson 864-225-6084

MF MOD 39 2R PLNTR

extra plates, GC, \$1500 obo Steve Lanning Oconee 864-710-4898

FA SUPER C

\$1500; FA M, \$1500; FA dsl 400 w/hammer mill, \$1200; dump trl, \$700; combine, \$2000 Jack Holbrook Anderson 864-314-1145

FORD 50 HP TRACTOR

ERC, FR, 90% rebuilt w/ many extra parts, \$5975; 16' trl, w/radial tires & \$200 lock, \$2175 Tom Kirkley Lancaster 803-246-8195

DRAIN DITCHER

Ferguson mod B-11, cutting depth 12", head 18" dia, little use, \$1900 Fletcher Arant Saluda 803-206-3989

'01 JD 9650 STS COMBINE

w/16' hdr, 3200 eng hrs/2200 sep hrs, heat/AC, flotation tires, \$44,000 BJ King Anderson 864-940-8994

6' BUSH HOG

pull type, some rust, \$200 Edward Klugh Greenwood 864-374-3162 850 MF COMBINE

18' platform hdr, 4r corn hdr, shed kept, all man, parts, 454 row crop w/adptr, \$5500 David Earley Orangeburg 803-534-3689

JD 9986 COTTON PKR

4WD, 888 fan hrs, 2244 eng hrs \$50,000 Terry Jarrell Hampton 803-942-1637

2 JD 50 TRACTORS 1 restored, \$3000; 1 needs

restoring, \$1600 Billy Gallman Newberry 803-276-7171

849 NH RND BALER

GC, \$2900 Charles Nichols Saluda 864-445-8350

ECONOWRAP BALE WRAPPER

LN, 100 bales wrapped, \$3200; NH 256 side delivery rake, \$2000 Lee Clinton York 704-913-6127

NH 488 HAYBINE

9' cut, \$1200; 2ph fits 300-450 FM, \$600; Woods 59 belly mwr for Cub FM, \$750; more Wendell Whelchel Cherokee 864-489-1050

COLE 2R PLNTR

\$1500; Ir Cole plntr, \$725; 16' Hardee spryr, 140 gal, 3pt, new pump, EC, \$1750; carry-all, \$75 George Schwab York 803-493-8021

JD 6500 SPRYR

w/60' frt fold booms, \$25,000; JD 1700 Max Emerge & 6r vacuum plntr, w/liq fert, more, \$14,500 Joe Phillips Lexington 803-600-2928

BOX BLADE

\$350; scrape blade, \$225; landscape rake, \$125; 5' bush hog, \$450; dirt scoop, \$250; more: all 1ph & used Isaac McCaskill Kershaw 803-713-8762

DRUM MWR

Tar River 185, new, w/hyd cyl, \$3900 T J Elrod Pickens 864-209-9311

20 BLADE CUTTING DISC

3pt, \$1050; JD offset disc stump jumper, 16 blade, \$1250; 6×8 all steel trl, \$1150 Jack Hurst Chesterfield 843-921-8574

GOATS / LLAMAS / SHEEP

1 Y/O NUBIAN CROSS M neutered, \$175; 3 m/o Tenn/ Nubian mix kids, \$150 each Lisa Obert Newberry 803-924-7378

100% NZ KIKO BUCK

4 M/0, CDT, FAMACHA \$450, reg w/NKR not incl Jane Cooper Greenville 843-693-1949

3 BOAR/CROSS BILLIES

8 m/o, \$175 each Stanley Traylor 803-417-4834

BUCKLINGS

Nubian (moonspot) & NGN dwarf, all registerable, \$175-450 Ellen Chassereau Lexington 864-386-7461

(2) M BOER GOATS

864-506-9050

6 m/o, \$250; 2 Ngn dwarf bucks, 3 y/o, \$200; 2 m/o, \$175 obo/trade; doelings, \$250 Britton McCarter York

704-913-6083 ADGA REG NUBIAN DOE

in milk, \$450 Charles Mclellan Florence 843-992-1002

MIXED BREED GOATS

small, 3 males, \$75; female, \$100, call or text Jane Plante Richland 803-609-5266

% BOER % MILK GOATS

B-11/27-28/20, Dillies, \$150 each; nannies, \$200 each Philip Poole Union 864-427-1589

SAVANNAH BILLY

3 y/o, good breeding results in our herd, \$400 obo Doug Tinsley Greenville 864-444-1036

KATAHDIN EWES & RAMS

yng, ready for breeding by early fall, \$200+ Sam Rikard Lexington 803-892-2630

NGN DWARF BUCKLINGS

weaned, var of colors, \$150 Diana Melton Clarendon 803-464-2992

HAY & GRAIN

SHED KEPT CB

4×5, \$50; sq, \$6 Larry McCartha Lexington 803-606-2499

'22 RND FESCUE

fert & sprayed, \$40/bale, del avail **Donald Counts** Newberry 803-315-1016

'21 4×5 CB

shed stored, \$50; outside stored, \$40; cow hay, \$35; 20 bale min; sq bales, \$7.50, del avail Bobby Zimmerman Lexington 803-317-8681

SQCB \$6 each; Rye straw, \$4 each, all shed kept Howard McCartha Lexington 803-312-3316

'21 SD ALFALFA

dairy qual, 3×4×8, 1600 lbs, \$380 each, cash sales Chris Roux Cherokee 864-906-5471

'22 CUTTING OF SQ FESCUE HQ IN SHÈD

fert & sprayed for weeds, \$6.50 Will Kraft Greenville 864-979-7910

'21 4×5 CB HQ

string wrap, stored under tarp on pallets, \$45/bale Mike Roberson Barnwell 803-266-3757

WHEAT STRAW 4×5 net wrap, \$40 each Richard Knight

Kershaw

803-427-6440

'21 4'×54' RND HQ CB net wrap, well fert, shed kept, \$65, no del Rickey Meetze Lexington 803-667-0285

'21 SQ CB

\$6; rnd, \$40; all shed kept Clayton Leaphart Lexington 803-892-2642

OATS

combine run, \$6/bu bulk Otto Williamson Williamsburg 843-372-2692

LA COTTONTAILS \$10 each Danny Cook Newberry 803-924-6953

NZ WHITES

8-15 w/o, \$25 each, disc on qty Gene McCarthy Edgefield 803-278-2274

yng, \$15 & \$20 each; grown bucks, \$20 each Philip Poole Union 864-427-1589

8 W/O RED NZ KITS

LA COTTONTAILS

pedigreed mother, \$20 each Margaret Jensen Orangeburg 803-274-4401

Duman Wicker Newberry 803-537-7222

\$10

RABBITS

for pets or raising for meat, \$20 Robert McDonald Calhoun 803-707-1040

MISCELLANEOUS

PURPLE MARTIN GOURDS

lrg, cut & ready to hang, \$2.75 ea; gourd poles, winches up/ down, \$389-425 each Stacy Shealy Lexington 803-727-7535

WOOD SPLITTER

operates w/tractor hyd, \$600 Darnell Miller Aiken 803-507-1926

CRIPPEN H-442-R SEED CLEANER

parts/restoration, \$300; you p-up Bragg Williams Orangeburg 803-533-8269

STEEL GREENHOUSE **FRAME**

14'×40'×8', end to end shade cloth, heater, Louver fan, must more, \$600 Frances Fogle Lexington 803-331-5598

2 HORSE SADDLES

I cloth & I leather, \$250 each; misc tack, \$35+ Paul Kicidis Union 864-429-6112

100 EGG CARTONS

cardboard, used but LNC, \$200 Sue Grinstead Greenville 864-277-3389

8 GAL CONTAINERS

empty, held 42lbs of cat litter, w/lids & handles, \$4 each Gina Kenyon Darlington 843-229-6741

BATCH/GRAIN DRYER

125 bu, needs repairs, \$1000 Glenn Risher Dorchester 843-462-7381

100 GAL SPRAY TANK

frt mount on mounting bracket, off a JD 2440 tractor, \$100 Herman Sanders Berkelev 843-810-3412

ECONOMY TRACTOR

w/48" belly mower, 14 hp Kohler eng, new blades/ starter, \$1900 James Fowke Aiken 803-341-4873

HIGH TENSILE

& Red Brand Barb wire, full roll, \$75; fencing supplies, new/used, \$15+; (4) 6-12' gates, \$20-40 Bob Mohr Greenville 864-505-3887

PLOW POINTS

\$2-10; old hand saws, EC, \$10 each; lrg iron tool box, \$20; more Joe Young Pickens 864-269-4594

RADIATOR

for JD 6620 combine, \$300 Otto Williamson Williamsburg 843-372-2692

HORSE MANURE

will load in your truck, \$1/load Aaron Shirey Lexington 803-413-2974

DEHORNERS

HD, 48"L, \$400 Robert Turner Orangeburg 803-596-6463

CARPENTER BEES TRAPS

to catch & dispose of them, sold in lots of 5, \$85 William Timmerman Aiken 803-640-6265

ORGANIC WORM CASTINGS FERT

30 lb bags, \$20, bulk sales avail Maryann Little Lexington 803-530-9219

CAMPBELL 17" ENG SADDLE

endurance, \$625; drag harrow, \$55; drag pan, \$75; both horse drawn Ansel Burgess Sr Greenville 864-569-7359

SET OF BOOM ARMS

for John Blue Nitro appl, \$75; rear trl hitch for JD sq baler, \$50 William Bullard Spartanburg 864-809-6701

HONEYBEE SWARM REMOVAL

Richland, Calhoun & **Sumter Counties** Jim Christmas Sumter 803-920-6440

MILLER LEGEND WELDER

ac/dc, propane, constant power, \$2000 Russell Goings Union 864-426-2309

DSL WELDER/GEN

AC-DC, Miller Bobcat 250D, low hrs, 50' of leads, \$6500 Stanley Taylor Chester 803-789-5236

'20 STIHL CHAINSAW

20" bar, mod 2591, \$350 Daniel Senn Lexington 803-730-2871

TRUCK STEER TIRES

9.00×20, on open center whls, \$150 each Rickie Evans Chester 803-209-2714

6'-35'L CEDAR LUMBER

cedar posts, & utility poles, \$1-3/ft James Burns Laurens 864-918-6308

2 STIHL WEEDEATERS

\$150; 20" push mwr, w/B&S, \$100; CampHaus 20 gal air comp, 120v, EC \$200; more; all obo Otis Hembree Spartanburg 864-316-1222

5 HP WATER PUMP

new Homelite, \$275; hose, \$75; more George Schwab York 803-493-8021

SAND CLAY & TOPSOIL

5 ton load, \$55/sand clay; \$80/topsoil, del w/in 20 mi; rock or sand, \$1.50/mi del David Wannamaker Calhoun 803-682-2117

OLD COMP FARM BELL

old, #3/\$350; xl farm bell, w/wheel, comp, \$1200; #20 hash pots, \$200 each; #15, \$150; more Perry Masters Greenville 864-561-4792

RND CEDAR POSTS

cu to var sizes, 4-10"D, \$6-12 each, depend on size; cut 4×4's,\$2/bdft Douglass Britt McCormick 864-391-3334

CS400 18" CHAINSAW

w/3 extra chains, oil & 2 air filters, \$175; Top link cat 1, extra-long, \$50 Tom Kirkley Lancaster 803-246-8195

TOPSOIL

no wood debris, comp clean, qual 3/8" screened 40 lb bags, \$6 each Dakota Hollman Lexington 803-687-6382

WALK-IN COOLER

old, in sections, no compressor or evaporator, \$150 obo Michael Bailey Lancaster 803-288-3108

VERT DSL FUEL TANK

10,000 gal, above ground, single wall, FC, \$5000 Kim Carter Bamberg 803-368-3080

16.9×38 TRACTOR TIRE

8-ply rating bkt, new, \$675 Edward Klugh Greenwood 864-374-3162

5 GAL BUCKETS

clean, \$3 each; 55 gal plastic drums, clean, \$15 each Michael Wise Newberry 803-271-4215

55 GAL FG DRUMS

metal & plastic, open tops, lids & rings, \$15, \$20, \$25 each; 275 gal port tow tanks, \$50 each Philip Poole Union 864-427-1589

AIR DRIED LUMBER

2×4, 2×6, 2×8, 2×10, 2×12-16', 1×4, 1×6, 1×8, 1×10-16', 12'L avail Thomas Jackson Sumter 803-707-1061

V BUCKET

for Case backhoe, meets all Co & Sate ditching standards, LNC, \$1200 Billy D Gore Horry 843-222-7265

USED TRACTOR TIRES

(1) 16.938, \$150 each; for veg/flower bed/water troughs, \$20; more Billy Gallman Newberry 803-276-7171

POULTRY

COCHIN CHICKS

& Cochin/Brahman cross, for meat/eggs, good egg layers, \$2-3 Gary Brown York 803-684-0241

COTURNIX QUAIL

1-2 d/o chicks, \$1.25 ea or buy 20+, \$1 each; weekly hatchings, call/text before 9 pm Summer Edwards Calhoun 803-308-4529

MALLARDS

\$5+, depending on size Shane Sease Bamberg 803-824-9124

BOB WHITE QUAIL

full grown, flight ready, good for breeders, \$4 each John Reed Sumter 803-464-5757

ORPINGTONS

choc/\$10+, lavender, \$7+; Turkeys, \$15+; Guineas, \$7+, straight run only Mary-Jane Vivas Edgefield 803-480-1574

1 Y/O SPANGLER ROO

½ Gerrand hatch, ¼ Sweater, 1/4 Kelso, \$50 Russell Goings Union 864-426-2309

WHT & SILVER KING **PIGEONS**

homers, \$15 each; Asil game chicks, \$8 each William Claxton Colleton

I wht Silkie mixed & I blk/ brown Frizzle mixed, \$6 ea Gladys Trower Richland 803-834-4235

ROOS Berta Mayer Georgetown

803-582-8132

843-909-4285 (2) 9 M/O ROOS

BABY REDS & COCHIN

healthy, \$1 each 352-212-4039

2 M/O PULLETS

Buff Orpington/RR, \$8 Mike Komar Lexington

GAME ROOS

1 y/o, \$10 & \$15 each L Gunter Lexington 803-532-7394

BABY CHICKS

RIR, Copper Marans, Ameraucanas, Columbia Rocks, \$2.50 each; Guineas, \$5 each Barbara Long Lexington 803-604-7377

BOURBON RED TURKEYS

M/F, \$25 each; Bronze chicks, \$10 each Lance Brewington Union 864-426-1103

BRONZE TURKEY

hatching eggs, \$5 each; poults, \$10 each Dwight Gilliland Saluda 864-941-0958

BUFF ORPINGTON RR CHICKS

Eugene Wilson Lexington 803-687-8458

GUINEAS

1/4 grown, \$7 each; 1/2 grown, \$10 each; Game, Warhorse, Flarry eye greys, Hatch, \$30+ Philip Poole Union 864-427-1589

FERTILE EGGS

Appenzeller Spitzhauben, have 2 roos w/8 hens 100% fertile in incubator, \$20/6 eggs Sally Thomley Anderson 864-367-4062

PLANTS & FLOWERS

ADS ARE NOT ACCEPTED FROM COMMERCIAL NURSERIES. WHICH ARE DEFINED AS HAVING ANNUAL SALES OF \$5.000.

MEX PETUNIAS

pink, purple & wht, 1 gal, \$3 ea; Queen Anne's Lace, \$5 ea; Elephant Ears, \$10-20 ea, no ship Larry Johnson Orangeburg 803-664-4213

ARBORVITAE CUTTINGS MONKEY GRASS

emeraid green, 2½ y/o, in 21/2 gal pots, photos avail, \$20 each Jimmy Broome Union 864-441-8842

aka Liriope, hosta, \$4 each; Iris, Daylily, \$5 each; Hydrangea, Gardenia, \$10 each Woody Ellenburg Pickens 864-855-2565

HOSTA

& blue, may be divided, \$4 Sue Grinstead Greenville 864-277-3389

AMARYLLIS

blooming in pots; jumbo Blk Perfect flower, \$20 each Francis Shiver Kershaw 803-669-1979

LEYLAND CYPRESS TREES 2 y/o, 3+'T, you load, \$5 each Elizabeth Gray Greenville 864-735-5553

WANT - FARM EQUIPMENT

50-100 HP TRACTOR

in GC, with/out bucket ldr, dsl preferred David Macijewski Oconee 864-309-9472

300 GAL SPRYR PB in GC

Talmadge Luker Greenwood 864-456-2253 **6 OR 8' NOTILL GRAIN**

Johnny Martin

864-561-9544

DRILL

Anderson

3PH PINE STRAW RAKE 5' or 6', in GC

Marion Mackey Lancaster 803-416-7712 **FR COMBINE** reasonably priced, older models ok & preferred

912-289-5575 **3PH CULTPKR**

Nick Mosher

Marion

4'-6' Jimmie Holliday Berkeley 321-446-0319

3PH PTO POTATO DIGGER

Tommy Anderson Laurens 864-923-0023 '49 JD MT Kenny Cain

& plntr, call w/details & price

ROLL-OVER BAR

864-506-6108

Pickens

w/canopy for 3000 Ford tractor Harold Wright Cherokee 864-838-4763

LDR TO FIT MF 362

& forks/hay spear for frt Warren Moss York 803-242-4683 **INTL 184 1R PLNTR**

for FA 140 fast hitch tractor David Shirley Jr Charleston 843-429-0229

WANT - LIVESTOCK

EACH AD MUST LIST SPECIFIC ANIMALS.

BLACKBELLY SHEEP RAM & Modena pigeons Thomas Waters Colleton 843-696-6627

GAITED SADDLE HORSE

gentle & safe for pleasure riding Thurman Anderson Spartanburg 864-542-2245

PIGEONS

poultry, & sm animals, reasonably priced Lynn Claxton Colleton 843-909-4285

5

WANT - MISCELLANEOUS

RIMS (WHEELS)

for Ezee Flow mod 88A Talmadge Luker Greenwood 864-456-2253

USED GREENHOUSE

that is operable Janet Smith Georgetown 843-833-1135

BLK SMITH ANVIL

& old farm bell, any size; hand crank corn sheller L Gunter Lexington 803-532-7394

CASTOR BEAN SEEDS

Dennis Hoover Lee 803-428-4426

ANY SIZE WASH POTS

syrup kettle, anvils, lrg coffee grinder, old lighting rod w/balls & weathervane, more Perry Masters Greenville

864-561-4792

PULPWOOD SAW TIMBER

hdwd pine, all types of thinning or clear cut, pay top prices, Upstate Co's Tim Morgan Greenville 864-420-0251

5V CRIMP TIN

no chicken house metal, free no good farm equip w/ in 20 mi David Wannamaker Calhoun 803-682-2117

FIELDS OF LONG LEAF PINE STRAW

top prices paid, 15 yrs exp Trey Shull Lexington 803-318-4263

FERAL SWINE ERADICATION TRAPPING DEMONSTRATION NETS A LOT OF INTEREST

BY USDA NRCS

The Hampton County Conservation District (SWCD) hosted a hosted a trapping demonstration at Lake Warren State Park in Hampton in March as part of the Feral Swine Eradication and Control Pilot Program (FSCP).

Approximately 138,000 feral pigs roam in South Carolina, causing millions of dollars in economic and ecological impacts on private and public lands. Additionally, feral pigs spread disease to livestock and potentially humans. The program's goal is to eradicate the invasive animals and to restore natural habitats.

Members of the USDA's Animal Plant Health Inspection Service (APHIS), and Natural Resources Conservation Service (NRCS), and the Hampton, Jasper and Newberry Soil and Water Conservation Districts, the University of Georgia Savannah River Ecology Laboratory, Clemson Cooperative Extension, and South Carolina Department of Natural Resources make up the FSCP partnership. They conduct educational workshops, work on trapping and removing the animals, assess the damage and will assist landowners by providing habitat restoration funding through NRCS.

Austin Jackson, a producer in Aiken County, drove more than 90 minutes to attend the trapping demonstration. "For us it's one of the largest concerns we have whenever consider which crops to grow," Jackson said. It's become so much of a problem that we have to rethink about what we're planting, when we're planting it and then what fields we choose to plant it."

Damage from feral pigs adversely affect production,

which in turn causes more problems, Jackson said. It effects crop insurance because it lowers a producer's Actual Production History (APH). A lower APH limits a farmer's access to insurance values.

Jackson has built his own makeshift traps, but it is very expensive and labor-intensive. He said he wanted to learn more about trapping and what assistance might be available to address the issue.

"If it's not your problem today it will be your problem tomorrow," Jackson added.

In South Carolina, APHIS traps and removes animals, netting over 1,600 since 2020. These trappings take place on private lands owned by those enrolled in the pilot program. Enrollment is voluntary, free, and those interested in more

information, assistance, or to sign up can contact their local NRCS office or Soil and Water Conservation District to sign up.

Trapping efforts will continue through Fall 2023 and likely beyond.



Producers like Jackson are optimistic about the program and working with the agencies.

"I appreciate what the researchers do, what the NRCS does, what the USDA has done because I think it's another step in the process to fix the problem; it's a step in the right direction."

WHIRLING DISEASE DETECTED IN SOUTH CAROLINA TROUT FOR FIRST TIME

BY SCDNR

The S.C. Department of Natural Resources' Wildlife and Freshwater Fisheries Division, working with the Southeastern Fish Disease Cooperative at Auburn University, has documented the presence of whirling disease for the first time in four streams sampled recently in Pickens and Greenville counties.

This represents the first positive diagnosis of the whirling disease pathogen in South Carolina trout streams.

For more information on whirling disease in South Carolina, visit dnr.sc.gov/whirling.html.

First detected in the United States in 1958, whirling disease is found in more than 20 states, including North Carolina and Georgia. Whirling disease can cause 90 percent or greater mortality of young rainbow trout and can have serious impacts to wild and hatchery trout populations. The disease is caused by the microscopic parasite Myxobulus cerebralis, which damages cartilage and skeletal tissue in trout, causing diseased fish to swim in a "whirling" motion.

"While whirling disease is not harmful to humans, this disease has caused high trout mortalities in hatchery systems and in wild trout, particularly in Western streams," said Ross Self, S.C. Department of Natural Resources (SCDNR) chief of freshwater fisheries. "There is no practical way to eliminate this pathogen. While the pathogen is now documented in South Carolina, it is positive news that it has not been observed to cause the classic disease symptoms here or seen to cause observable population declines. It appears rare that this pathogen manifests as full-on whirling disease in Southern Appalachian freestone streams, like we have in South Carolina."

A recent fish health inspection at Walhalla State Fish Hatchery in Oconee County was negative for whirling disease and other new exotic pathogens.

SCDNR has conducted surveillance for exotic trout pathogens in wild trout populations and at Walhalla State Fish Hatchery for decades. Much of this work was conducted in partnership with the U.S. Fish and Wildlife Service's Wild Fish Health Project, operated out of their fish disease lab in Warm Springs, Ga. Since 2015, SCDNR has increased surveillance for whirling disease and other exotic pathogens in trout due to recent documented outbreaks of whirling disease and two

species of parasitic gill lice in nearby states. At this point, no parasitic gill lice have been documented in South Carolina trout.

Self said SCDNR fisheries biologists will be collecting additional trout samples for disease analysis in the upcoming 2022 Summer/Fall survey season.

Anglers are reminded to NOT stock or move trout around between bodies of water or release or dispose of them anywhere other than the location where they were caught. Anglers are also reminded to always disinfect waders and properly clean all equipment before leaving an area when fishing. Thoroughly dry equipment in the sun if possible before reuse. If anglers are traveling directly to other waters, they are asked to clean equipment with a 10 percent solution of chlorine bleach or use another set of equipment.

For more information on whirling disease, visit the U.S. Department of Agriculture's website at invasivespeciesinfo.gov/aquatic/pathogens-and-diseases/whirling-disease.

6

CLEMSON WEB APPS CALCULATE SOIL PH TO HELP GROWERS INCREASE PROFITS, REDUCE COSTS

BY DENISE ATTAWAY, CLEMSON UNIVERSITY

Growers across the southern United States are planting spring crops and many have lime on their minds.

Lime is a very important soil amendment used to grow crops. To help ensure the correct amount is applied where it is needed most, the Clemson University Precision Agriculture Team has developed the Reverse Lime Rate Calculator.

This calculator, or web app, is useful for farmers as well as gardeners. It uses soil pH (acidity level), buffer pH and applied lime rate to provide an estimated soil pH. Kendall Kirk, a precision agriculture engineer who helped develop the calculator, said using this tool may be particularly useful this year in choosing where to place lime as supplies may be limited.

"Farmers expressed concerns this year that they may not be able to get enough lime to satisfy their needs," Kirk said. "So, we developed this tool to calculate resulting soil pH as a function of the amount of lime applied. With input costs rising in 2022, we recognized the opportunity to also add value to our traditional lime rate calculator by adding lime cost calculations to allow growers to compare costs from different suppliers or across different products. Growers also can gain perspective of cost per acre for comparison to their other input costs."

The Reverse Lime Rate Calculator evaluates resulting pH when recommended lime rates cannot be satisfied, such as when availability, time or field conditions are limiting. The developers call it a "Reverse" Lime Rate Calculator because it does not provide a lime recommendation; instead, it displays a resulting soil pH from a user-specified lime rate. Growers who need to know a recommended lime rate for a target soil pH can use the Lime Rate Calculator.

User inputs for the Reverse Lime Rate Calculator include soil pH and buffer pH from soil test results, mixing depth, lime rate and relative neutralizing value for lime source. Soil samples can be submitted to the Clemson Agricultural Service Laboratory for testing. Soil test fact sheets are available from the Clemson Home and Garden Information Center.

SOIL ACIDIFICATION CALCULATOR

Shortly after developing the Lime Rate Calculator, which is used for increasing soil pH, the researchers recognized the need for a tool to use for lowering soil pH for certain acid-loving crops, such as blueberries. The Soil Acidification Calculator was developed based on information provided by the Clemson Agricultural Service Laboratory. This tool was built from a table of recommended aluminum sulfate rates as a function of soil pH and desired soil pH from the Clemson Ag Service Lab.

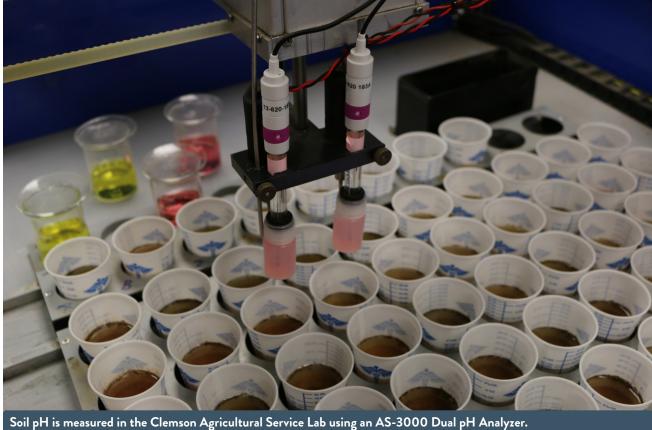
"We built an equation around the data in this table, which is what is used by the calculator for determining outputs," Kirk said.

The Reverse Lime Rate and Soil Acidification calculators, as well as other calculators and web apps developed by the Clemson Precision Agriculture Team can be found at https://bit.ly/CU_CalculatorsAndWebApps.









SAVING TIME AND MONEY WHILE PROTECTING THE ENVIRONMENT

Plant nutrient availability is directly related to soil pH. With the rising price of fertilizers this year, Clemson scientists say it is more critical than ever to get soil pH correct. When soil pH is too low or too high, it can lead to nutrient deficiency and sometimes toxicity. If a farmer or gardener applies fertilizer recommended in a lab report but doesn't correct the soil pH, then a large percentage of his or her fertilizer investment may be wasted.

Shannon Alford, Clemson Agricultural Service Laboratory director, said applying the correct amount of lime is imperative to achieving target soil pH and making nutrients available to plants.

"Both of our Lime Rate Calculators allow farmers to consider the types of liming products and current costs to make the best selection for their needs," Alford said. "These factors are important to consider in times when the supply chain is interrupted and costs are not stable."

Tests are conducted in the laboratory using the

Adams-Evans buffer method. The buffer is a solution that acts like fast-acting lime when incubated with a soil-water mixture. Lime recommendations are generated based on how much the pH of the soil-water mixture changes when the buffer is added. Clemson Agricultural Service Laboratory scientists use this method to determine lime requirements for each client's specific soil sample.

Michael Plumblee, Clemson Cooperative Extension Service corn and soybean specialist, said using the Reverse Lime Rate Calculator (app) will save growers time and money.

"This app takes out the manual calculation part of determining liming rates," Plumblee said. "It also allows for the ability to compare several rates rather fast compared to doing the math by hand. This app will help farmers save money by making sure that the appropriate rates of lime are being applied based on soil sample results. Putting a closer eye on all of our inputs and the rates we apply these inputs ultimately will help increase profits and reduce costs where applicable."

Information provided will be beneficial for maximizing nutrient availability "especially in a year where every ounce counts," he said.

"Using this app also will help ensure soils are limed to an appropriate pH so that plant-available nutrients can be maximized," Plumblee said. "If we have soils at appropriate pH levels, we may be able to utilize nutrients that are currently in the soil rather than needing to add additional inputs to make up the difference to maximize yield. If we can better utilize what we have built up in the soil, we could see a reduction in the total amount of fertilizer applied in a single application or growing season."

The Clemson Precision Agriculture Team is comprised of scientists dedicated to developing precision agriculture technologies such as software, sensors, UAVs, and robots designed to increase farming productivity and sustainability. The team is housed at the Edisto Research and Education Center in Blackville, South Carolina, which also will be the home of Clemson's new Center for Agricultural Technology (CU-CAT).

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SILVOPASTURE, OR RAISING POULTRY IN THE WOODS

BY JEFF SIEWICKI, VITAL MISSION FARM | PHOTOS COURTESY JEFF SIEWICKI

Looking out over my overgrazed pasture one December, I realized something needed to change. Groups of meat birds and layers that typically have ample space and foraging during the growing season had decimated the landscape during the dormant period. I didn't like the look of exposed soil, or the compaction and loss of organic matter that I knew would inevitably follow. I had been employing a system of electrified netting for several years to maximize the square footage and foraging capabilities of my flocks. In addition to giving them more space, the netting system, electrified by a solar fence charger, gives me the ability to be very flexible in timing how often I move the birds and how much impact that I make on the land. However, due to the combination of fall turkeys, meat ducks, and layers, I quickly ran out of green space.

Eyeing the thick woodlot that bordered my pasture, I realized that it was currently less dense due to the colder weather. The woodlot is a stand of dominant 40-year-old Eastern Pine with a good deal of undergrowth and brush. I could easily run a fence line along the edge of my pasture just outside of the woods and then cut a few trails into the interior of the woods to make my rectangular paddocks.

My paddocks typically measure 100'×50' for my laying flock of ducks and I typically rotate them every three to four days. Without the summertime vines and brambles, cutting a 4-foot-wide path through the brush with a machete took little time at all. The real test was to see how the ducks would handle the woods.

As it turns out, my layers seemed to thrive under the protection of the canopy. They had shade and cover and were far less exposed to aerial predators. The lack of dominant grasses in the woodlot gave way

to different species of broadleaf plants and forages that the ducks seemed to take a liking to. There were also a considerable number of protein-rich insects to be found amongst the pine straw duff layer. Since my ducks do not use nest boxes, the moist soil was perfect for them to make their temporary nests in the leaf litter. I rotated them through the woodlot for about five weeks, giving the pasture time to recover until the weather began to warm up. This five-week break from the pasture was vital to allow our land time to recover and save what little soil structure was left.

I also experimented with broadcasting ryegrass and clover seed after the birds moved through the woods. In doing so, the birds disturb the organic layer, and allow good seed-to-soil contact that otherwise would have been impossible without their impact. I achieved surprisingly good germination rates under the forest canopy. Several months later we returned to this area in the woods to allow the ducks to graze the crops I had planted earlier.

In the end, I learned several key lessons from this experiment. The first was that poultry do just fine in the woods — in fact, I would argue, perhaps better than an open pasture in terms of having additional cover and predator protection. I didn't use our mobile PVC shade shelters in the woods as it was unnecessary. It wasn't lost on me that the shade benefits of the tree canopy would be of even greater benefit

in the hot summer. Second, since I do not use the classic "chicken tractor" system, the electrified netting allows me to take advantage of "unusable" and neglected regions of the farm. Think for a second of all the woodlots, windbreaks, orchards, stumps, ditches, or uneven ground that

> make dragging a chicken tractor all but impossible that you can now turn into productive land use. This alone can dramatically impact your bottom line. Third, it is often recognized that

silvopasture



is the most productive agricultural system in terms of both production and carbon sequestration on a given piece of land. Silvopasture employs the use of trees, ground

cover, and livestock. Imagine for a second we have widely spaced trees, which could be pecans, blueberries, or apples, and on the ground floor we grow grasses, grains, or veggies. Next, we allow our livestock to act as our lawnmowers, pest control, and fertilizers to graze under the tree canopy. Under this system, we are getting both the rapid growth/regeneration cycle of the grasses and the long-term carbon storage bank of the trees. In addition, I am now growing three or more food crops on the same piece of land that otherwise would have been just grass.

Realizing the many benefits of silvopasture, we have since planted a number of saplings out in our pasture. Trees have the advantage of soaking

> up excess water and preventing flooded and mucky fields while also serving as a buffer against

> > drought. The soil is cooler in the summer under the dappled shade of a tree, and gets ample sunlight in the winter after the leaves fall. Even if we never harvest any crops from our trees, the value of having them with the poultry is profound.

In our pasture we have planted pecans, blueberries, mulberries, chestnut, satsuma,

pawpaw, fig, and persimmon. The plan was to use a shotgun approach to see which species survive and thrive in our climate without supplemental irrigation. I have lost a significant number of trees using this approach, but I feel this has been valuable information to narrow down the list to the species that are best suited to our area. So far, the blueberries and mulberries have excelled the most. I do plan to add some irrigation in the future just to use as needed during really dry weather. Currently, we plant the saplings and add several inches of mulch around them to keep the soil cool and moist and suppress any grass growth. We then take hardware cloth and make a ring to stake around the saplings to protect them from deer. This also allows our poultry to mow right up to the plants without damaging them. After a few years, when the trees get established, we remove the hardware cloth fencing.

As far as layout, I have been using a north-south orientation in clusters due to the narrow size of our pasture (100 feet across). A cluster consists of

> a dozen or so trees and shrubs. I arranged it this way to maximize exposure to the sun and also to leave ample space to move equipment around our narrow lanes. I have the largest growing species toward the north end, medium-sized trees in front of that, and smaller shrubs like blueberries on the sunnier southern side.

With land prices increasing and deforestation becoming an increasing threat to our climate health, new ways of growing food are more important now than ever

before. I believe that practices such as growing poultry in the woods or silvopasture can have a tremendous positive impact on the nutritional value of our food, the health of our soil, and our environment.

Jeff Siewicki owns Vital Mission Farm, a regenerative farm in Wadmalaw Island, South Carolina. If you want to learn more about how to start and scale up a successful regenerative farm, visit his resource page at regenerativesuccess.com.



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